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Approved for use through 07/31/2008. OMB 0851-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

JUN 1 0 2004

## INFORMATION DISCLOSURE STATEMENT BY APPLIANT

(Use as many sheets as necessary)

Sheet 1 of 3

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Application Number	10/800,112
Filing Date	MARCH 12, 2004
First Named Inventor	YUXIANG WANG, ET AL.
Group Art Unit	UNKNOWN
Examiner Name	UNKNOWN
Attorney Docket Number	AMAT/8245/DSM/BCVD/JW
Submission Date	UC/UT, 2004

			U.S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant
HIII LIG		Number-Kind Code <sup>2 (2 known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Figures Appear
	A1	US-6,635,583 B2	10/21/2003	Bencher, et al.	
	A2	US-6,624,064 B1	09/23/2003	Sahin, et al.	
	А3	US-6,573,030	06/03/2003	Fairbairn, et al.	
	A4	US-6,541,397 B1	04/01/2003	Bencher	
	A5	US-6,458,516 B1	10/01/2002	Ye, et al.	
	A6	US-6,423,384 B1	07/23/2002	Khazeni, et al.	
	A7	US-6,413,852	07/02/2002	Grill, et al.	
	A8	US-6,380,106	04/30/2002	Lim, et al.	
	A9	US-6,358,573 B1	03/19/2002	Raoux, et al.	
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	A12	US-6,323,119 B1	11/27/2001	Xi, et al.	
	A13	US-6,316,347	11/13/2001	Chang, et al.	
	A14	US-6,291,334 B1	09/18/2001	Somekh	
	A15	US-6,235,629	05/22/2001	Takenaka	
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WA MA	A18	US-6,165,890	12/26/2000	Kohl, et al.	

		FORE	IGN PATENT	DOCUMENTS		
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,	, La
Initials*	No.'	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	
	B1					
	B2					
	В3					
	B4					
	B5					<u> </u>

Examiner /Maki Angadi/ Date Considered 11/20/2006

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Substitute for form 1449A/PTO	Application Number	10/800,112	
E JUN 1 0 2004	Filing Date	MARCH 12, 2004	
INFORMATION DISCLOSURE	First Named Inventor	YUXIANG WANG, ET AL.	
STATEMENT BY APPLICANT	Group Art Unit	UNKNOWN	
	Examiner Name	UNKNOWN	
(Use as many sheets as necessary)	Attorney Docket Number	AMAT/8245/DSM/BCVD/JW	

**Submission Date** 

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Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (V known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<b>1</b>	A19	US-6,153,935	11/28/2000	Edelstein, et al.	
-	A20	US-6,143,476	11/07/2000	Ye, et al.	
<b></b>	A21	US-6,140,226	10/31/2000	Grill, et al.	
<del> </del>	A22	US-6,140,224	10/31/2000	Lin	
	A23	US-6,098,568	08/08/2000	Raoux, et al.	
	A24	US-6,080,529	06/27/2000	Ye, et al.	
<u> </u>	A25	US-6,066,577	05/23/2000	Cooney, III, et al.	
<b></b>	A26	US-6,064,118	05/16/2000	Sasaki	
<del>                                     </del>	A27	US-6,057,226	05/02/2000	Wong	
-	A28	US-6,035,803	03/14/2000	Robles, et al.	
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<del>                                     </del>	A32	US-5,900,288	05/04/1999	Kuhman, et al.	
<u> </u>	A33	US-5,866,920	02/02/1999	Matsumoto, et al.	
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<u> </u>	A35	US-5,759,913	06/02/1998	Fulford, Jr., et al.	
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MA	A41	US-2001/0007788 A1	07/12/2001	Chang, et al.	
•	A42				
	A43				
	A44				
	A45				
	A46				

11/20/2006 **Date Considered** /Maki Angadi/

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Substitute for form 1449B/PTO g JUN 1 0 2004	Application Number	10/800,112	١
Substitute for form 1449B/P10 B JNN 1 0 2004	Filing Date	MARCH 12, 2004	T
INFORMATION DISCLOSURE	First Named Inventor	YUXIANG WANG, ET AL.	Ť
STATEMENT BY APPEICANT	Group Art Unit	UNKNOWN	T
	Examiner Name	UNKNOWN	Ť
(Use as many sheets as necessary)	Attorney Docket Number	AMAT/8245/DSM/BCVD/JW	Ť

**Submission Date** 

2004

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of

Sheet

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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
MA	C1	U.S. Patent Application 10/768,724, filed on January 30, 2004. (AMAT/8736)	
MA	C2	U.S. Patent Application 10/799,146, filed on March 12, 2004 (AMAT/8244)	
MA	С3	U.S. Patent Application 10/799,147, filed on March 12, 2004 (AMAT/8390)	
MA	C4	U.S. Patent Application 10/383,839, filed on March 7, 2003 (AMAT/6328.C1)	
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Examiner		/Maki Angadi/ Date Considered 11/20/200	)6

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DISCLOSURE
STATEMENT BY APPLICANT

Complete if Known

Application Number 10/800,112

Filing Date MARCH 12, 2004

First Named Inventor WANG, ET AL.

Art Unit 1763

Examiner Name UNKNOWN

AMAT/8245/DSM/8CVD/ INV

(Use as many sheets as necessary)

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Sheet 1 of 2 Attorney Docket Number AMAT/8245/DSM/BCVD/JW

			U.S. PATENT	DOCUMENTS	
Examiner Initials *	Cite No.	Document Number  Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Retevant Figures Appear
	A1	US-5,022,959	06/11/1991	Itoh, et al.	
	A2	US-5,674,573	10/07/1997	Mitani, et al.	
	A3	US-5,998,100	12/07/1999	Azuma, et al.	•
	A4	US-6,214,637	04/10/2001	Kim, et al.	
	A5	US-6,352,922	03/05/2002	Kim	
	A6	US-6,653,735	11/25/2003	Yang, et al.	
	A7	US-2004/023502	02/05/2004	Tzou, et al.	_
	A8	US-2004/038537	02/26/2004	Liu, et al.	
/	A9	US-2004/166691	08/26/2004	Nich, et al.	
MA MA	A10	US-2004/180551	09/16/2004	Biles, et al.	
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			FOREIGN PA	ATENT	DOCU	MENTS		
_	xaminer	Cite	Foreign Patent Document	Bub	lication	Name of Patentee or	Pages, Columns, Lines, Where Relevant	
-	Initials*	No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> ( <i>il known</i> )		D-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	Т <sup>6</sup>
٦		B1	DE 103 28 578 (English abstract)	02/26	5/2004	Matthias		Х
1		B2	EP 0 381 109 (English translation)	01/29	/1990	BIRKLE, ET AL.		X
П		B3	EP 0 901 156	03/10	/1999	STEINER		
П		B4	JP 09 045633 (English abstract)	02/14	/1997	YASUHARU		X
$\Box$	1	B5 -	JP 11 026578 (English abstract)	01/29	9/1999	TETSUJI		X
A	MA	B6	WO 00/05763	02/03	3/2000	NAIK, ET AL.		
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	xaminer Signature		/Maki Angadi/		Date Consid	ered	11/20/2006	

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Sustitute for form 1449A/PTO SUPPLEMENTAL INFORMATION

DISCLOSURE STATEMENT BY APPLICANT

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Sheet	2	of	2	

	Complete if Known
Application Number	10/800,112
Filing Date	MARCH 12, 2004
First Named Inventor	WANG, ET AL.
Art Unit	1763
Examiner Name	UNKNOWN
Attorney Docket Number	AMAT/8245/DSM/BCVD/JW

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ²
MA	C1	Liu, et al., "Generating Sub-30nm Poly-Silicon Gates Using PECVD Amorphous Carbon as Hardmask and Anti-Reflective Coating", Proceedings of the SPIE, BELLINGHAM, VA, US, vol. 5040, no. 1, February 25, 2003, pages 841-848.	
MA	C2	PCT Notification of Transmittal of the International Search Report dated May 31, 2005 for PCT/US05/008070. (AMAT/8245PCT)	
MA	СЗ	PCT Written Opinion dated May 31, 2005 for PCT/US05/008070. (AMAT/8245PCT)	

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Examiner Signature	/Maki Angadi/	Date Considered	11/20/2006

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of 2

Complete if Known				
Application Number	10/800,112			
Filing Date	March 12, 2004	_		
First Named Inventor	Wang, et al.			
Art Unit	1765			
Examiner Name	Mahmoud Dahmene			
Attorney Docket Number	APPM/008245/DSM/BCVD/JW			

U.S. PATENT DOCUMENTS						
Examiner Cite	Cite	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant	
Initials *	No.1	Number - Kind Code <sup>2</sup> (if known)		Cited Document	Passages or Relevant Figures Appear	
	A1	US-4,975,144	12/04/1990	Yamazaki, et al.		
	A2	US-6,043,167	03/28/2000	Lee, et al.		
	A3	US-6,428,894	08/06/2002	Babich, et al.		
17	A4	US-6,884,733	04/26/2005	Dakshina-Murthy, et al.		
W MA	A5	US-2004/0229470	11/18/2004	Rui, et al.		
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FOREIGN PATENT DOCUMENTS						
Examiner Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines, Where Relevant		
Initials*	No.1	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Date MM-DD-YYYY	e Applicant of Cited	Passages or Relevant Figures Appear	T <sup>®</sup>
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		†			1	

Examiner Signature	/Maki Angadi/	Date Considered	11/20/2006	

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Sheet of

Complete if Known		
Application Number	10/800,112	
Filing Date March 12, 2004		
First Named Inventor Wang, et al.		
Art Unit 1765		
Examiner Name Mahmoud Dahmene		
Attorney Docket Number APPM/008245/DSM/BCVD/JW		

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²	
MA	C1	PCT International Search Report for PCT/US05/005855 dated October 13, 2005. (APPM/008244PC.02)		
MA	C2	PCT Written Opinion for PCT/US05/005855 dated October 13, 2005. (APPM/008244PC.02)		
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Examiner		Date	11/20/2006
	/Maki Angadi/	Considered	11/20/2000
Signature	,	Considered	

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